## **EAST Search History**

## **EAST Search History (Prior Art)**

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"20060108034"	US-PGPUB; USPAT	ADJ	ON	2007/12/13 08:34
S2	225	148/525.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/01/02 17:05
S3	25	148/525.ccls. and plasma and (descal\$5 or clean\$5)	US-PGPUB; USPAT	ADJ	ON	2008/01/02 17:05
S4	228	148/565.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/01/02 17:05
S5	25	148/565.ccls. and plasma and (descal\$5 or clean\$5)	US-PGPUB; USPAT	ADJ	ON	2008/01/02 17:06
S6	1216	"148".clas. and plasma and (descal\$5 or clean \$5)	US-PGPUB; USPAT	ADJ	ON	2008/01/03 08:27
S7	1064	"148".clas. and plasma and (descal\$5 or clean \$5) and metal	US-PGPUB; USPAT	ADJ	ON	2008/01/03 08:27
S8	138	"148".clas. and plasma and (descal\$5 or clean \$5) and metal and tensile	US-PGPUB; USPAT	ADJ	ON	2008/01/03 08:30
S9	31	"148".clas. and plasma same (descal\$5 or clean \$5) and metal and tensile	US-PGPUB; USPAT	ADJ	ON	2008/01/03 08:31
S15	1	continuous surface treatment device sequence metal	JPO; DERWENT	ADJ	ON	2008/01/03 09:46
S23	123	descaling.ti. and metal	US-PGPUB; USPAT	ADJ	ON	2008/01/03 10:02
S24	8	descaling.ti. and metal and plasma	US-PGPUB; USPAT	ADJ	ON	2008/01/03 10:03
S25	15	descaling.ti. and metal and (plasma or vacuum)	US-PGPUB; USPAT	ADJ	ON	2008/01/03 10:31
S26	0	("7275920").PN.	JPO	OR	OFF	2008/01/04 09:10
S27	0	(07/275920).APP.	JPO	OR	OFF	2008/01/04 09:10
S28	5	continuous surface treatment device	JPO	ADJ	ON	2008/01/04 09:10

S29	1	plasma descaling and liquid metal	US-PGPUB; USPAT	ADJ	ON	2008/01/04 15:09
S30	137	vacuum arc and liquid metal	US-PGPUB; USPAT	ADJ	ON	2008/01/04 15:10
S31	2	vacuum arc and liquid metal and descaling	US-PGPUB; USPAT	ADJ	ON	2008/01/04 15:10
S32	14	vacuum and liquid metal and descaling	US-PGPUB; USPAT	ADJ	ON	2008/01/04 15:11
S33	2	vacuum and hot galvan \$7 and descaling	US-PGPUB; USPAT	ADJ	ON	2008/01/04 15:14
S34	4	vacuum same descaling and galvan\$6	US-PGPUB; USPAT	ADJ	ON	2008/01/04 15:16
S35	35	liquid metal and descaling	US-PGPUB; USPAT	ADJ	ON	2008/01/04 15:24
S36	2	induction heat\$5 and descaling same vacuum	US-PGPUB; USPAT	ADJ	ON	2008/01/04 15:42
S37	41	vacuum and galvan\$7 and descaling	US-PGPUB; USPAT	ADJ	ON	2008/01/04 15:46
S38	13	galvanizing same stainless steel same strip	US-PGPUB; USPAT	ADJ	ON	2008/01/04 15:54
S39	1	galvanizing same stainless steel same strip same liquid	US-PGPUB; USPAT	ADJ	ON	2008/01/04 15:55
S40	1	("4409265").PN.	US-PGPUB; USPAT	OR	OFF	2008/01/04 16:08
S41	230	148/525.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/30 13:57
S42	25	148/525.ccls. and plasma and (descal\$5 or clean\$5)	US-PGPUB; USPAT	ADJ	ON	2008/06/30 13:57
S43	231	148/565.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/30 13:57
S44	25	148/565.ccls. and plasma and (descal\$5 or clean\$5)	US-PGPUB; USPAT	ADJ	ON	2008/06/30 13:57
S45	141	"148".clas. and plasma and (descal\$5 or clean \$5) and metal and tensile	US-PGPUB; USPAT	ADJ	ON	2008/06/30 13:57
S46	124	descaling.ti. and metal	US-PGPUB; USPAT	ADJ	ON	2008/06/30 13:57
S47	140	vacuum arc and liquid metal	US-PGPUB; USPAT	ADJ	ON	2008/06/30 13:57
S48	14	vacuum and liquid metal and descaling	US-PGPUB; USPAT	ADJ	ON	2008/06/30 13:57

S49	4	("4555612"   "5554235"   "6088895"   "6585875").PN.	US-PGPUB; USPAT	ADJ	ON	2008/06/30 14:02
S50	239	148/525.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/06/11 11:55
S51	26	148/525.ccls. and plasma and (descal\$5 or clean\$5)	US-PGPUB; USPAT	ADJ	ON	2009/06/11 11:55
S52	238	148/565.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/06/11 11:55
S53	26	148/565.ccls. and plasma and (descal\$5 or clean\$5)	US-PGPUB; USPAT	ADJ	ON	2009/06/11 11:55
S54	154	"148".clas. and plasma and (descal\$5 or clean \$5) and metal and tensile	US-PGPUB; USPAT	ADJ	ON	2009/06/11 11:55
S55	125	descaling.ti. and metal	US-PGPUB; USPAT	ADJ	ON	2009/06/11 11:55
S56	148	vacuum arc and liquid metal	US-PGPUB; USPAT	ADJ	ON	2009/06/11 11:55
S57	14	vacuum and liquid metal and descaling	US-PGPUB; USPAT	ADJ	ON	2009/06/11 11:55
S58	295	148/525.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/06/11 12:01
S59	26	S58 and plasma and (descal\$5 or clean\$5)	US-PGPUB; USPAT	ADJ	ON	2009/06/11 12:01
S60	26	S58 and plasma and (descal\$5 or clean\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/06/11 12:01
S61	130046	plasma and (descal\$5 or clean\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/06/11 12:19
S62	29807	S61 and steel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/06/11 12:19
S63	30323	plasma with (descal\$5 or clean\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/06/11 12:20
S64	525	S63 same steel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/06/11 12:20

S65	159	S64 and roll\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/06/11 12:20
S66	22	plasma with (descal\$5 or clean\$5) same steel and roll\$3 and tensile	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/06/11 12:23
S67	49	vacuum and galvan\$7 and descaling	US-PGPUB; USPAT	ADJ	ON	2009/06/11 12:25
S68	113	descaling.ti. and steel	US-PGPUB; USPAT	ADJ	ON	2009/06/11 12:25
S69	83	S68 and roll\$3	US-PGPUB; USPAT	ADJ	ON	2009/06/11 12:25
S70	4	"07275920"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/14 09:55
S71	18	"6205830"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/14 15:02
S72	52	"195385"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/14 15:12
S73	27	"4872245"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/14 15:13
S74	27	148/525.ccls. and plasma and (descal\$5 or clean\$5)	US-PGPUB; USPAT	ADJ	ON	2010/01/14 15:17
S75	26	148/565.ccls. and plasma and (descal\$5 or clean\$5)	US-PGPUB; USPAT	ADJ	ON	2010/01/14 15:17
S76	160	"148".clas. and plasma and (descal\$5 or clean \$5) and metal and tensile	US-PGPUB; USPAT	ADJ	ON	2010/01/14 15:18
S77	126	descaling.ti. and metal	US-PGPUB; USPAT	ADJ	ON	2010/01/14 15:18
S78	154	vacuum arc and liquid metal	US-PGPUB; USPAT	ADJ	ON	2010/01/14 15:18
S79	14	vacuum and liquid metal and descaling	US-PGPUB; USPAT	ADJ	ON	2010/01/14 15:18
S80	299	148/525.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/14 15:18

S81	27	S80 and plasma and (descal\$5 or clean\$5)	US-PGPUB; USPAT	ADJ	ON	2010/01/14 15:18
S82	27	S80 and plasma and (descal\$5 or clean\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/14 15:18
S83	138357	plasma and (descal\$5 or clean\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/14 15:18
S84	31745	S83 and steel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/14 15:18
S85	32094	plasma with (descal\$5 or clean\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/14 15:18
S86	562	S85 same steel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/14 15:19
S87	174	S86 and roll\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/14 15:19
S88	23	plasma with (descal\$5 or clean\$5) same steel and roll\$3 and tensile	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/14 15:19
S89	49	vacuum and galvan\$7 and descaling	US-PGPUB; USPAT	ADJ	ON	2010/01/14 15:19
S90	115	descaling.ti. and steel	US-PGPUB; USPAT	ADJ	ON	2010/01/14 15:19
S91	85	S90 and roll\$3	US-PGPUB; USPAT	ADJ	ON	2010/01/14 15:19
S92	27	148/525.ccls. and plasma and (descal\$5 or clean\$5)	US-PGPUB; USPAT	ADJ	ON	2010/08/03 17:08
S93	28	148/565.ccls. and plasma and (descal\$5 or clean\$5)	US-PGPUB; USPAT	ADJ	ON	2010/08/03 17:08
S94	167	"148".clas. and plasma and (descal\$5 or clean \$5) and metal and tensile	US-PGPUB; USPAT	ADJ	ON	2010/08/03 17:08
S95	128	descaling.ti. and metal	US-PGPUB; USPAT	ADJ	ON	2010/08/03 17:09
S96	158	vacuum arc and liquid metal	US-PGPUB; USPAT	ADJ	ON	2010/08/03 17:09

S97	307	148/525.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/03 17:09
S98	27	S97 and plasma and (descal\$5 or clean\$5)	US-PGPUB; USPAT	ADJ	ON	2010/08/03 17:09
S99	27	S97 and plasma and (descal\$5 or clean\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/03 17:09
S100	147133	plasma and (descal\$5 or clean\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/03 17:09
S101	33848	S100 and steel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/03 17:09
S102	33966	plasma with (descal\$5 or clean\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/03 17:09
S103	601	S102 same steel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/03 17:10
S104	190	S103 and roll\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/03 17:10
S105	26	plasma with (descal\$5 or clean\$5) same steel and roll\$3 and tensile	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/03 17:10
S106	55	vacuum and galvan\$7 and descaling	US-PGPUB; USPAT	ADJ	ON	2010/08/03 17:10
S107	117	descaling.ti. and steel	US-PGPUB; USPAT	ADJ	ON	2010/08/03 17:10
S108	87	S107 and roll\$3	US-PGPUB; USPAT	ADJ	ON	2010/08/03 17:10
S109	0	"200056949"	US-PGPUB; USPAT	ADJ	ON	2010/08/03 17:11
S110	1	"200056949"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/03 17:11
S111	11	"0056949"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/03 17:11

S112	8	"0100337"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/03 17:14
S113	8	"9301894"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/03 17:18
S114	4	"0468110"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/03 17:20
S115	291	"468110"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/03 17:20
S116	19	"3705603"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/03 17:25
S117	16	"2153025"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/03 17:25
S118	14	"2139151"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/03 17:26
S119	5	"03207518"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/03 17:27
S120	3	"61035873"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/03 17:28
S121	3	"05112813"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/03 17:29
S122	2	"08239783"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/03 17:31
S123	3	"04297561"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/03 17:32

S124	3	"05104245"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/04 08:52
S125	3	"07144212"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/04 09:24
S126	3	"06299382"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/04 09:26
S127	3	"06280068"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/04 09:27
S128	3	"06280068"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/04 09:27
S129	3	"06280067"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/04 09:28
S130	2	"08215711"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/04 09:28
S131	3	"07256330"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/04 09:28
S132	3	"05112814"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/04 09:29
S133	4	"05112810"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/04 09:29
S134	3	"04136154"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/08/04 09:32

## **EAST Search History (Interference)**

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